

**Amendments to the Specification:**

Please replace the paragraph, beginning at page 5, line 15, with the following rewritten paragraph:

NO<sub>2</sub> can account for up to about 50% NO<sub>x</sub> in the exhaust gas of an internal combustion engine. Therefore, according to one embodiment the HC: NO<sub>2</sub> ratio is adjusted to from ~~0.05 to~~ ± 0.2 to 4.